

Amendments to the Claims:

Please amend claims as follows. This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (withdrawn) A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the method comprising the steps of:

selecting a log deleting management database from a menu; inputting a password; displaying types of the log deleting management database if the inputted password is correct; and

recording at least one of a new telephone number, a method of dialing the new telephone number, and a method of recording the new telephone number when the new telephone number record is selected from the log deleting management database.

2. (withdrawn) The method according to claim 1, wherein said dialing method determines whether a telephone number stored in said log deleting management database and a caller's name should be revealed to the recipient of the call when the number is dialed.

3. (withdrawn) The method according to claim 1, wherein said recording method determines whether a telephone number stored in said log deleting management database, if received, should be recorded in a secret received number list.

4. (withdrawn) The method according to claim 1, further comprising:

displaying a list of telephone numbers stored in the log deleting management database when a telephone number list is selected from the log deleting management database; and

while the list of telephone numbers stored in the log deleting management database is displayed, additionally perform at least one of recording the new telephone number, recording a method of dialing the new telephone number, recording a method of recording the new telephone number when a new record is selected, deleting a selected telephone number when a deletion option is selected, and correcting a selected telephone number when a correction option is selected.

5. (withdrawn) The method according to claim 1, further comprising:
displaying a message “no telephone number recorded” if the inputted password is incorrect.

6. (withdrawn) A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, which comprises the steps of:

determining whether a telephone number received with a voice call is stored in a phonebook;

displaying said received telephone number on a display section of said mobile telephone;

detecting telephone numbers stored in a log deleting management database;

determining whether said received telephone number is included in the telephone numbers stored in the log deleting management database;

recording said received telephone number in a recently received number list and then performing a communication function, if the received telephone number is not present in the log deleting management database;

searching for a method of recording said number, if said number is present in the log deleting management database;

recording said number in a secret received number list; and

performing a communication function, if the method of recording said number is for recording in the secret received number list.

7. (withdrawn) The method according to claim 6 wherein the step of reading telephone numbers stored in said secret received number list further comprises the steps of:

selecting a secret received number list from the log deleting management database;
inputting a password; and

displaying at least one of telephone numbers stored in said secret received number list if the inputted password is correct, and a “no call” message if the inputted password is incorrect.

8. (withdrawn) The method according to claim 7, wherein at least one message can be stored and selected by a user to be displayed when said inputted password is not correct.

9. (withdrawn) The method according to claim 6, wherein said received number is not recorded in the secret received number list when a communication function is performed, if the method of recording said number is not to record in the secret received number list.

10. (withdrawn) The method according to claim 6, wherein said received number and the caller's name are displayed on the display section, if said received number is detected in the phonebook of the mobile phone.

11. (currently amended) A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, which comprises the steps of:

inputting a telephone number;
pressing a "send" key on the mobile phone;
determining whether said input telephone number is present in a phonebook of the mobile phone;
displaying said input telephone number on a display section of said mobile phone;
detecting telephone numbers stored in a log deleting management database;
determining whether said input telephone number is included in the telephone numbers stored in the log deleting management database;
recording said input telephone number, if said input telephone number is not present in the log deleting management database, in a recently dialed number list;
performing a dialing function;
searching for a method of dialing said number, if said input telephone number is present in the log deleting management database; and
performing a dialing function while concealing said input telephone number and a caller's name, if the method of dialing said number is caller concealment.

A method of automatically deleting a call log and message log in order to maintain security in a mobile phone, the method comprising the steps of:

registering a telephone number requiring security maintenance in a log deleting management menu of the mobile phone;
when a telephone number of a call or message received by the mobile phone corresponds to a telephone number registered in the log deleting management, recording the

telephone number of the received call in a secret received number list or recording the telephone number of the received message in a secret received message list; and

when a telephone number of an outgoing call or outgoing message sent from the mobile phone corresponds to a telephone number registered in the log deleting management, performing a sending function for the outgoing call while concealing information about a sender, or performing a sending function for the outgoing message after recording the outgoing message in a secret sent message list.

12. (currently amended) The method according to claim 11, wherein said input telephone number and the caller name are displayed when a dialing function is performed, if the chosen method of dialing said input telephone number is to display the caller.

The method according to claim 11, wherein the step of registering the telephone number comprises the step of:

requesting a password input when the log deleting management is selected from a menu of the mobile phone;

displaying types of the log deleting management when the inputted password is correct;

displaying a list of telephone numbers stored in the log deleting management when a telephone number list is selected from the types of the log deleting management; and

registering a new telephone number, a method of sending the new telephone number, and a method of recording the new telephone number, when a telephone number registration is selected from the types of the log deleting management.

13. (currently amended) The method according to claim 12, the method further comprising a step of displaying a message indicating that there is no such registered telephone number when the inputted password is incorrect.

The method according to claim 11, wherein said input telephone number and the caller name are displayed on the display section, if said input telephone number is detected in the phonebook of the mobile phone.

14. (withdrawn) A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, which comprises the steps of:
receiving a message;

parsing the received message and a received telephone number;
 determining whether the received telephone number of the received message is present in a phonebook of the mobile phone;
 displaying the received message and received telephone number on a display section of said mobile phone;
 reading telephone numbers stored in a log deleting management database;
 determining whether said telephone number of the received message is included in the telephone numbers stored in the log deleting management database;
 recording the received message and telephone number in a received message list;
 performing any next function if said telephone number is not present in the log deleting management database;
 determining whether the received message and telephone number should be recorded in a secret received message list if said telephone number is present in the log deleting management database;
 recording the received message and telephone number in the secret received message list; and
 performing any next function if said received message and telephone number are determined to be recorded in the secret received message list.

15. (withdrawn) The method according to claim 14, wherein said received message and telephone number and the caller's name are displayed on the display section, if said received telephone number is detected in the phonebook of the mobile phone.

16. (withdrawn) The method according to claim 14, wherein said received message and telephone number are not recorded in the secret received message list when any next function is performed, if said received message and telephone number are determined not to be recorded in the secret received message list.

17. (currently amended) The method according to claim 12, wherein the method determines whether a caller and a calling number are to be revealed to a recipient when a call is sent to a telephone number stored in the log deleting management. A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, which comprises the steps of:

inputting a message and a telephone number and sending said input message and telephone number;

reading telephone numbers stored in a log deleting management database;

determining whether said sent telephone number is included in the telephone numbers stored in the log deleting management database;

recording said sent message and said sent telephone number in a sent message list;

performing a message sending function if said sent telephone number is not present in the log deleting management database;

determining whether said sent message and said telephone number should be recorded in a secret sent message list if said sent telephone number is present in the log deleting management database; recording said sent message and said sent telephone number in the secret sent message list, if said sent telephone number is present in the log deleting management database; and

performing a message sending function for said sent message and sent telephone number.

18. (currently amended) The method according to claim 12, wherein the recording method determines whether, when a call is received from a telephone number stored in the log deleting management, the received telephone number is to be stored in the secret received number list. The method according to claim 17, wherein said sent message and sent telephone number and the caller's name are displayed on the display section, if said sent telephone number is detected in the phonebook of the mobile phone.

19. (currently amended) The method according to claim 12, further comprising the steps of:

when a new registration is selected in a state in which the telephone number list is displayed, additionally registering a new telephone number, a method of sending the new telephone number, and a method of recording the new telephone number;

when a deletion is selected in the state in which the telephone number list is displayed, deleting a selected telephone number; and

when a correction is selected in the state in which the telephone number list is displayed, correcting a selected telephone number. The method according to claim 17, wherein said sent message and sent telephone number are not recorded in the secret sent

~~message list when a message sending function is performed, if said sent message and sent number are determined not to be recorded in the secret sent message list.~~

20. (withdrawn) A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:

a first mobile telephone and a second mobile phone; and

said first mobile phone being adapted to perform the following operations: select a log deleting management database from a menu;

input a password;

display types of the log deleting management database if the inputted password is correct; and

record at least one of a new telephone number, a method of dialing the new telephone number, and a method of recording the new telephone number when the new telephone number record is selected from the log deleting management database.

21. (withdrawn) The system according to claim 20, wherein said first mobile telephone is further adapted to determine whether a telephone number stored in said log deleting management database and a caller's name should be revealed to the recipient of the call when the telephone number is dialed.

22. (withdrawn) The system according to claim 20, wherein said first mobile telephone is further adapted to determine whether a telephone number stored in said log deleting management database, if received, should be recorded in a secret received number list.

23. (withdrawn) The system according to claim 20, wherein said first mobile telephone is further adapted to display a list of telephone numbers stored in the log deleting management database when a telephone number list is selected from the log deleting management database; and

while the list of telephone numbers stored in the log deleting management database is displayed, additionally perform at least one of recording the new telephone number, recording a method of dialing the new telephone number, recording a method of recording the new telephone number when a new record is selected, deleting a selected telephone

number when a deletion option is selected, and correcting a selected telephone number when a correction option is selected.

24. (withdrawn) The system according to claim 20, wherein said first mobile telephone is further adapted to display a message “no telephone number recorded” if the inputted password is incorrect.

25. (withdrawn) A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:
a first mobile telephone and a second mobile phone; and
said second mobile phone being adapted to perform the following operations:
determine whether a telephone number received with a voice call is from said first mobile phone is stored in a phonebook;
display said received telephone number on a display section of said second mobile phone;
detect telephone numbers stored in a log deleting management database;
determine whether said received telephone number is included in the telephone numbers stored in the log deleting management database;
record said received telephone number in a recently received number list and then performing a communication function, if the received telephone number is not present in the log deleting management database;
search for a method of recording said number, if said number is present in the log deleting management database;
record said number in a secret received number list; and
perform a communication function, if the method of recording said number is for recording in the secret received number list.

26. (withdrawn) The system according to claim 25, wherein said second mobile telephone is further adapted to perform the following operations:
select a secret received number list from the log deleting management database;
input a password; and

display at least one of telephone numbers stored in said secret received number list if the inputted password is correct, and a “no call” message if the inputted password is incorrect.

27. (withdrawn) The system according to claim 25, wherein said second mobile telephone is further adapted to store at least one message selected by a user to be displayed when said inputted password is not correct.

28. (withdrawn) The system according to claim 25, wherein said second mobile telephone is further adapted to not record said received number in the secret received number list when a communication function is performed, if the method of recording said number is not to record in the secret received number list.

29. (withdrawn) The system according to claim 25, wherein said second mobile telephone is further adapted to display said received number and the caller's name on the display section, if said received number is detected in the phonebook of the mobile phone.

30. (currently amended) The method according to claim 11, wherein the step of recording the telephone number of the received call in the secret received number list comprises the steps of:

when the call is received by the mobile phone, searching whether the received telephone number has been registered in the log deleting management;

when the received telephone number is present in the log deleting management, searching for the method of recording the received telephone number; and

when the method of recording the received telephone number is to record the received telephone number in the secret received number list, recording the received telephone number in the secret received number list and performing a communication function.

~~A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:~~

~~an input, adapted to input a telephone number and activate a “send” key on the mobile phone; and~~

~~a controller, adapted to perform the following operations:~~

~~determine whether said input telephone number is present in a phonebook of the mobile phone;~~

~~display said input telephone number on a display section of said mobile phone;~~

~~detect telephone numbers stored in a log deleting management database;~~

~~determine whether said input telephone number is included in the telephone numbers stored in the log deleting management database;~~

~~record said input telephone number, if said input telephone number is not present in the log deleting management database, in a recently dialed number list;~~

~~perform a dialing function;~~

~~search for a method of dialing said number, if said input telephone number is present in the log deleting management database; and~~

~~perform a dialing function while concealing said input telephone number and a caller's name, if the method of dialing said number is caller concealment.~~

31. (currently amended) The method according to claim 30, further comprising a step of searching whether the received telephone number is present in a phonebook and displaying the received telephone number in a display section, when the call is received by the mobile phone.

~~The system according to claim 30, wherein said controller is further adapted to display said input telephone number and the caller's name when a dialing function is performed, if the chosen method of dialing said input telephone number is to display the caller name.~~

32. (currently amended) The method according to claim 30, further comprising a step of recording the received telephone number in a recent received number list and performing the communication function when the received telephone number is not present in the log deleting management. The system according to claim 30, wherein said controller is further adapted to display said input telephone number and the caller name if said input telephone number is detected in the phonebook of the mobile phone.

33. (withdrawn) A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:

a first mobile telephone and a second mobile telephone; and

said second mobile phone being adapted to perform the following operations:

 receive a message from said first mobile telephone;

 parse the received message and a received telephone number;

 determine whether the received telephone number of the received message is present in a phonebook of said second mobile telephone;

 display the received message and received telephone number on a display section of said second mobile telephone;

 read telephone numbers stored in a log deleting management database;

 determine whether the received telephone number of the received message is present in a phonebook of the second mobile telephone;

 display the received message and received telephone number on a display section of said second mobile telephone;

 read telephone numbers stored in a log deleting management database;

 determine whether said telephone number of the received message is included in the telephone numbers stored in the log deleting management database;

 record the received message and telephone number in a received message list;

 perform any next function if said telephone number is not present in the log deleting management database;

 determine whether the received message and telephone number should be recorded in a secret received message list if said telephone number is present in the log deleting management database;

 record the received message and telephone number in the secret received message list;

 and

 perform any next function if said received message and telephone number are determined to be recorded in the secret received message list.

34. (withdrawn) The system according to claim 33, wherein said second mobile telephone is further adapted to display said received message, telephone number and the caller's name when a dialing function is performed, if said received telephone number is detected in the phonebook of the mobile phone.

35. (withdrawn) The system according to claim 33, wherein said second mobile telephone is further adapted to not record said received message and telephone number

recorded in the secret received message list when any next function is performed, if said received message and telephone number are determined not to be recorded in the secret received message list.

36. (currently amended) The method according to claim 30, further comprising a step of performing the communication function without recording the received telephone number in the secret received number list when the method of recording the received telephone number is not to record the received telephone number in the secret received number list. A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:

a first mobile telephone and a second mobile phone; and
said first mobile phone being adapted to perform the following operations:
input a message and a telephone number;
send said input message and telephone number to said second mobile phone;
read telephone numbers stored in a log deleting management database;
determine whether said sent telephone number is included in the telephone numbers stored in the log deleting management database;
record said sent message and said sent telephone number in a sent message list;
perform a message sending function if said sent telephone number is not present in the log deleting management database;
determine whether said sent message and said telephone number should be recorded in a secret sent message list if said sent telephone number is present in the log deleting management database;
record said sent message and said sent telephone number in the secret sent message list, if said sent telephone number is present in the log deleting management database; and
perform a message sending function for said sent message and sent telephone number.

37. (currently amended) The method according to claim 30, further comprising a step of reading a telephone number stored in the secret received number list, wherein the step of reading the telephone number comprises the steps of:

requesting a password input when the secret received number list is selected from the log deleting management;

displaying a telephone number stored in the secret received number list when the inputted password is correct; and

displaying a message indicating that there is no communication history when the inputted password is incorrect.

~~The system according to claim 36, wherein said first mobile telephone being further adapted to display said sent message, sent telephone number and the caller's name, if said sent telephone number is detected in the phonebook of the mobile phone.~~

38. (currently amended) The method according to claim 11, further comprising the steps of:

when a telephone number of a call or message received by the mobile phone corresponds to a telephone number registered in the log deleting management, automatically deleting the received telephone number from a communication list/recent received number list or from a received message list, or displaying content indicating that there is no information;

when a telephone number of an outgoing call or outgoing message sent from the mobile phone corresponds to a telephone number registered in the log deleting management, automatically deleting the telephone number of the outgoing call or outgoing message from a communication list/recent sent number list or from a sent message list, or displaying content indicating that there is no information; and

when the display indicating that there is no information is selected through a predetermined key, performing a control operation such that a corresponding function of the key is not performed.

~~The system according to claim 36, wherein said first mobile telephone being further adapted to not record said sent message and sent telephone number in the secret sent message list when a message sending function is performed, if said sent message and sent number are determined not to be recorded in the secret sent message list.~~

39. (currently amended) The method according to claim 38, further comprising a step of, when the received/sent telephone number is present in the log deleting management, reporting the receiving/sending of a call without displaying the received/sent telephone number.

~~A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the method comprising the steps of:~~

~~inputting a phone number into a log deleting database of a telephone directory;~~

~~storing the input phone number in the log deleting database;~~

~~determining whether the input phone number is detected in an incoming or outgoing phone call; and~~

~~preventing the input phone number from being displayed for the incoming or outgoing phone call.~~

40. (currently amended) The method according to claim 11, further comprising the steps of:

when voice for a telephone number registered in the log deleting management is stored, storing the voice in a secret voice mailbox, and either not storing the voice in a normal voice mailbox automatically or displaying content indicating that there is no information; and

when the display indicating that there is no information is selected through a predetermined key, performing a control operation such that a corresponding function of the key is not performed.

~~The method according to claim 39, further comprising:~~

~~selectively deleting the input phone number from a general call log or received number list if the input phone number is detected in the incoming or outgoing phone call.~~

41. (currently amended) The method according to claim 11, wherein, through a special incoming setup of the mobile phone, a telephone number registered in the log deleting management is set as at least one selected from the group consisting of a special incoming icon, a ring tone, and a character, so as to be operated.

~~The method according to claim 40, further comprising:~~

~~displaying a “no caller information” in the general call log or received number list if the input phone number is detected in the incoming or outgoing phone call.~~

42. (currently amended) The method according to claim 11, wherein the step of recording the received message in the secret received message list comprises the steps of:

when the message is received by the mobile phone, searching whether the telephone number of the received message has been registered in the log deleting management;

when the telephone number of the received message is present in the log deleting management, determining if the received message is to be recorded in the secret received message list; and

when recording the received message in the secret received message list is selected, recording the received message and the telephone number of the received message in the secret received message list.

~~The method according to claim 39, further comprising:
receiving voice mail associated with the input number in a private voice mailbox, the private voice mailbox being separate from the general mailbox.~~

43. (currently amended) The method according to claim 42, further comprising the steps of:

parsing the received message and the telephone number of the received message when the message is received by the mobile phone; and

searching whether the telephone number of the received message is present in a phonebook, and displaying the received message and the telephone number of the received message in a display section. ~~The method according to claim 42, further comprising:~~

~~displaying a “no information” message when the voice mail is attempted to be retrieved from the general mailbox.~~

44. (currently amended) The method according to claim 42, further comprising a step of not recording the received message and the telephone number of the received message in the secret received message list when recording the received message in the secret received message list is not selected. ~~The method according to claim 39, further comprising:~~

~~associating at least one of a picture icon and distinctive ring with the input number detected in the incoming phone call.~~

45. (currently amended) The method according to claim 11, wherein the step of performing the sending function for the call comprises the steps of:

when a “send” key is input after a telephone number is input in the mobile phone, determining whether the calling number has been registered in the log deleting management;

when the calling number is present in the log deleting management, searching for the method of sending the calling number; and

when the method of sending the calling number is to conceal a caller, performing a communication function while concealing the calling number and caller which correspond to calling information.

The method according to claim 39, wherein the phone number is input using a keypad or a phonebook.

46. (currently amended) The method according to claim 45, further comprising a step of recording the calling number in a recent calling number list and performing the sending function when the calling number is not present in the log deleting management.
A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:

a first mobile phone and a second mobile phone; and

the second mobile phone being adapted to perform the following operations:

input a phone number into a log deleting management database of a telephone directory;

store the input phone number in the log deleting management database;

determine whether the input phone number is detected in an incoming phone call from the first mobile phone or an outgoing phone call to the first mobile phone; and

prevent the input phone number from being displayed for the incoming or outgoing phone call.

47. (currently amended) The method according to claim 45, further comprising a step of displaying the calling number and the caller, which correspond to the calling information, and performing the sending function when the method of sending the calling number is to display the caller.

The system according to claim 46, wherein the second mobile phone is further adapted to perform the following operation:

selectively delete the input phone number from a general call log or received number list if the input phone number is detected in the incoming or outgoing phone call.

48. (currently amended) The method according to claim 11, wherein the step of performing the sending function for the message comprises the steps of:

when message sending is selected in the mobile phone, determining if the telephone number of the outgoing message has been registered in the log deleting management;

when the telephone number of the outgoing message is present in the log deleting management, determining if the outgoing message is to be recorded in the secret sent message list; and

when recording the outgoing message in the secret sent message list is selected, recording the outgoing message and the telephone number of the outgoing message in the secret sent message list and performing a message sending function.

~~The system according to claim 47, wherein the second mobile phone is further adapted to perform the following operation:~~

~~display a “no caller information” in the general call log or received number list if the input phone number is detected in the incoming or outgoing phone call.~~

49. (currently amended) The method according to claim 48, further comprising a step of recording the outgoing message and the telephone number of the outgoing message in a sent message list, and performing a message sending function when the telephone number of the outgoing message is not present in the log deleting management. ~~The system according to claim 46, wherein the second mobile phone is further adapted to perform the following operation:~~

~~receive voice mail associated with the input number in a private voice mailbox, the private voice mailbox being separate from the general mailbox.~~

50. (currently amended) The method according to claim 48, further comprising a step of performing a message sending function without recording the outgoing message and the telephone number of the outgoing message in the secret sent message list when recording the outgoing message in the secret sent message list is not selected.

~~The system according to claim 49, wherein the second mobile phone is further adapted to perform the following operation:~~

~~display a “no information” message when the voice mail is attempted to be retrieved from the general mailbox.~~

51.-55. (cancelled)